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Product datasheet for RC213476L3V

PTPN18 (NM_014369) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PTPN18 (NM_014369) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PTPN18
Synonyms:	BDP1; PTP-HSCF
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_014369
ORF Size:	1380 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC213476).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_014369.3
RefSeq Size:	2837 bp
RefSeq ORF:	1383 bp
Locus ID:	26469
UniProt ID:	Q99952
Cytogenetics:	2q21.1
Domains:	Y_phosphatase, PTPc_motif
Protein Families:	Druggable Genome, Phosphatase

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MW: 50.3 kDa

Gene Summary: The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, the mitotic cycle, and oncogenic transformation. This PTP contains a PEST motif, which often serves as a protein-protein interaction domain, and may be related to protein intracellular half-live. This protein can differentially dephosphorylate autophosphorylated tyrosine kinases that are overexpressed in tumor tissues, and it appears to regulate HER2, a member of the epidermal growth factor receptor family of receptor tyrosine kinases. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2008]